

Title (en)  
Filtering device.

Title (de)  
Filtervorrichtung.

Title (fr)  
Dispositif à filtre.

Publication  
**EP 0212975 A2 19870304 (EN)**

Application  
**EP 86306438 A 19860820**

Priority  
• JP 18280585 A 19850820  
• JP 19876685 A 19850909

Abstract (en)  
A filtering device which is disclosed herein comprises a rising pipe (3) basically shaped into a cylinder having a drain port (12) at its upper end and placed within a box-like basin (1) to extend vertically and a porous air injecting member (22) contained within the rising pipe at its lower portion in a connected relationship to a pressurized air source (P) to develop an upward flow of water within the rising pipe. In the filtering device, the rising pipe is formed of an elastic material to have a back wall comprised of a pair of mounting portions (9, 101 forming an angle slightly larger than that of the corner of the basin and connected to a connecting portion, and a front wall. The back and front walls are disposed respectively to be faced to the corner and to be faced inwardly of the basin when the filtering device is attached. The rising pipe has a cross-sectional configuration such that the back and front walls are connected to form a closed section. Suckers (4) are fixedly mounted on the outer surfaces of the mounting portions of the back wall and adapted to be absorbed onto two surfaces of the basin, constituting the corners, respectively.

IPC 1-7  
**A01K 63/04**; **B01D 35/00**

IPC 8 full level  
**A01K 63/04** (2006.01); **B01D 35/26** (2006.01)

CPC (source: EP US)  
**A01K 63/045** (2013.01 - EP US); **B01D 35/26** (2013.01 - EP US)

Cited by  
CN103478055A; EP0341356A1; CN102966176A; CN104663561A; EP0295149A3; US4944871A

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0212975 A2 19870304**; **EP 0212975 A3 19870923**; **EP 0212975 B1 19910123**; DE 3677094 D1 19910228; US 5092991 A 19920303

DOCDB simple family (application)  
**EP 86306438 A 19860820**; DE 3677094 T 19860820; US 70722391 A 19910524